

Distribution of regulated species of the genus *Galeopsis* L.

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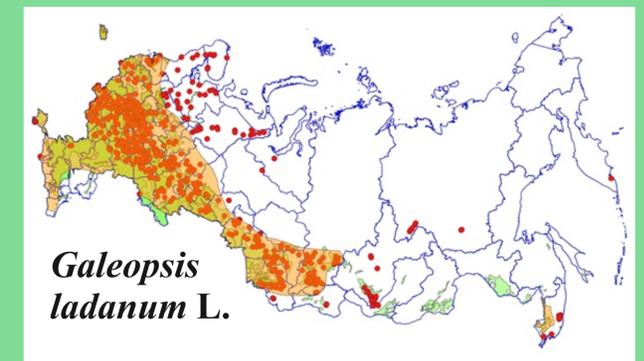
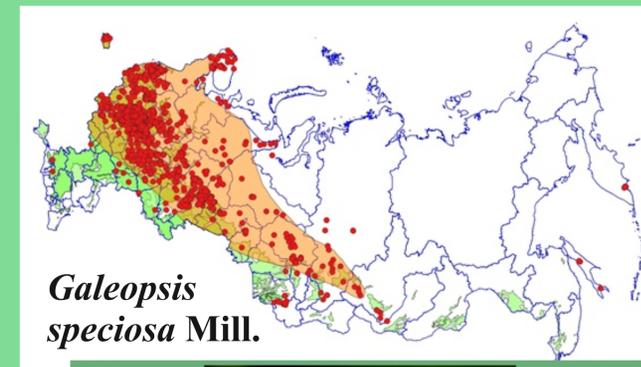
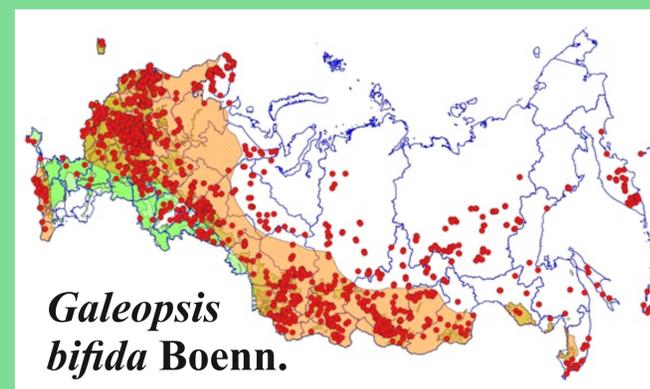
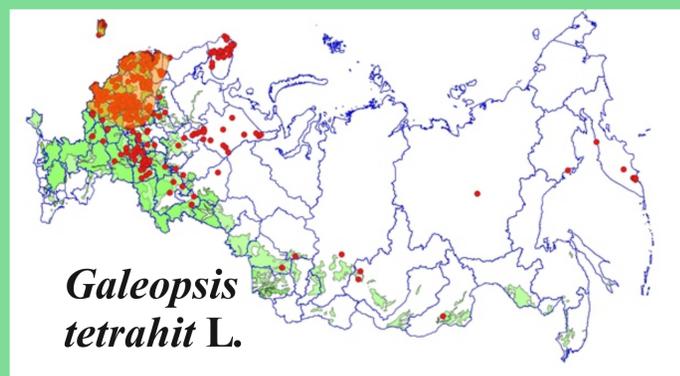
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5 of the 9 species of the genus *Galeopsis* L. are regulated by the phytosanitary requirements of the 4 importing countries of Russian plant products (Mexico, Brazil, Syria, Iran): *Galeopsis tetrahit* L., *G. speciosa* Mill., *G. angustifolia* Ehrh. ex Hoffm., *G. ladanum* L., *G. bifida* Boenn. *Galeopsis angustifolia* is a European species. There are single finds of *G. angustifolia* in Russia. All of them is out of the main zone of cultivation of agricultural crops. Other regulated species of the genus *Galeopsis* L. are widely or locally distributed in Russia.

Distribution of regulated species of the genus *Galeopsis* L. on the territory of Russia

according to GBIF (red dots and red fill – samples and the distribution zone of species) and according to AgroAtlas (green fill - the zone of cultivation of major crops)



83 agrocenoses were surveyed in different regions of the Russian Federation (Crimea, Penza and Saratov regions, Primorsky Krai) in 2020-2021.

The cases of detection of the regulated species of the genus *Galeopsis* L. in agrocenoses: *G. bifida* - 18, *G. ladanum* - 23, *G. speciosa* - 2, *G. tetrahit* - 0.

Crops in which species of the genus *Galeopsis* (L.) were identified: wheat, flax, soy, sunflower, sugar beet, corn, oats.

Galeopsis bifida and *G. ladanum* are confined to agrocenoses only in the main part of the area (in our studies - in the Penza and Saratov regions). At the borders of area, the species were found mainly in the ruderal communities (on the eastern border of the ranges – in Primorsky Krai), or were not found at all (on the southern border of the area – in the Crimea).

The absence of *G. tetrahit* in the studied crops is due to their location outside the wide distribution zone of the species. Individual cases of detection of the species are not associated with agrocenoses. Extremely rare detection of *G. speciosa* in the fields in the zone of wide distribution of the species is not clear and suggests further research.